ELSEVIER

Biomembranes

Vol. 1371, 1998

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Rapid reports

Biomembrane affinity chromatographic analysis of inhibitor binding to the human red cell nucleoside transporter in immobilized cells, vesicles and proteoliposomes
L. Haneskog, C.-M. Zeng, A. Lundqvist and P. Lundahl (Sweden) 1

Luteinizing hormone receptors are associated with non-receptor plasma membrane proteins on bovine luteal cell membranes
D.A. Roess, N.A. Rahman, H. Munnelly, B.I. Meiklejohn, C.J. Brady and B.G. Barisas (USA) 5

Membrane fusion mediated by ricin and viscumin
P. Pohl, Y.N. Antonenko, V.Y. Evtodienko, E.E. Pohl, S.M. Saparov, I.I. Agapov and A.G. Tonevitsky (Germany, Russia) 11

Preparation of immunoliposomes directed against CD34 antigen as target
M. Mercadal, C. Carrion, J.C. Domingo, J. Petriz, J. Garcia and M.A. De Madariaga (Spain) 17

Short sequence-paper

Sequence and phylogenetic analysis of the *Borrelia burgdorferi secA* gene
T. Guina, D. Helfet-Hilliker, V. Ramamurthy and D. Oliver (USA) 24

Regular papers

Interactions between liposomes and human skin in vitro, a confocal laser scanning microscopy study
M.E.M.J. Van Kuijk-Meuwissen, H.E. Junginger and J.A. Bouwstra (Netherlands) 31

Membrane topology of the rat brain Na^+–Ca^{2+} exchanger
O. Cook, W. Low and H. Rahamimoff (Israel) 40

Transgene expression kinetics after transfection with cationic phosphonolipids in hematopoietic non adherent cells
V. Floch, M.P. Audrezet, C. Guillaume, E. Gobin, G. Le Bolch, J.C. Clement, J.J. Yaouanc, H. Des Abbayes, B. Mercier, J.P. Leroy, J.F. Abgrall and C. Ferec (France) 53

Variations in the subunit content and catalytic activity of the cytochrome *c* oxidase complex from different tissues and different cardiac compartments
C. Vijayasarathy, I. Biunno, N. Lenka, M. Yang, A. Basu, I.P. Hall and N.G. Avadhani (USA) 71

Miscibility of phospholipids with identical headgroups and acyl chain lengths differing by two methylene units: Effects of headgroup structure and headgroup charge
P. Garidel and A. Blume (Germany) 83

Stimulation of the yeast mitochondrial calcium uniporter by hypotonicity and by Ruthenium Red
E.N. Bazhenova, N.-E.L. Saris and R.A. Zvyagilskaya (Russian Federation, Finland) 96

Swelling-activated potassium currents of Ehrlich ascites tumour cells
G. Riquelme, F.V. Sepúlveda, F. Jørgensen, S. Pedersen and E.K. Hoffmann (Chile, Denmark) 101

Characterization of the pH dependence of hemoglobin binding to band 3. Evidence for a pH-dependent conformational change within the hemoglobin-band 3 complex
J.M. Salhany, K.A. Cordes and R.L. Sloan (USA) 107

Effect of site-directed mutagenesis of the arginine residues 509 and 748 on mouse band 3 protein-mediated anion transport
D. Karbach, M. Staub, P.G. Wood and H. Passow (Germany) 114

Membrane skeleton and red blood cell vesiculation at low pH
M. Bobrowska-Hägerstrand, H. Hägerstrand and A. Iglič (Finland, Slovenia) 123

Independence of dimethylamiloride-sensitive Li^+ efflux pathways and Na^+–Li^+ countertransport in human erythrocytes
G. Zerbini, R. Mangili and G. Pozza (Italy) 129

Effects of fumonisin B_1 on lipid peroxidation in membranes
J.-J. Yin, M.J. Smith, R.M. Eppley, S.W. Page and J.A. Sphon (USA) 134

In vitro characterization of iron-phytosiderophore interaction with maize root plasma membranes: evidences for slow association kinetics
N. Von Wirén, R. Gibrat and J.-F. Briat (France) 143

Information for Contributors *vii*

Rapid reports

The assembly of yeast mitochondrial ATP synthase: subunit depletion in vivo suggests ordered assembly of the stalk subunits b, OSCP and d
A.F.L. Straffon, M. Prescott, P. Nagley and R.J. Devenish (Australia) 157

Selectivity of lipid–protein interactions with trypsinized Na,K-ATPase studied by spin-label EPR
A. Arora, M. Esmann and D. Marsh (Germany, Denmark) 163

Regular papers

Formation of high axial ratio microstructures from peptides modified with glutamic acid dialkyl amides
K.C. Lee, A.N. Lukyanov, M.H. Gelb and P. Yager (USA) 168

Novel fluorescence membrane fusion assays reveal GTP-dependent fusogenic properties of outer mitochondrial membrane-derived proteins
J.D. Cortese, L.A. Voglino and C.R. Hackenbrock (USA) 185

Sequence-related behaviour of transmembrane domains from class I receptor tyrosine kinases
D.H. Jones, K.R. Barber and C.W.M. Grant (Canada) 199

Thiamine transport in human placental brush border membrane vesicles
S.M. Grassl (USA) 213

Temperature change of the lamellar structure of DPPC/disaccharide/water systems with low water content
H. Nagase, H. Ueda and M. Nakagaki (Japan) 223

HCO_3^--dependent ion transport systems and intracellular pH regulation in colonocytes from the chick
M.L. Calonge and A.A. Ilundáin (Spain) 232

Solution and solid state conformation of the human EGF receptor transmembrane region
A.C. Rigby, C.W.M. Grant and G.S. Shaw (Canada) 241

Analysis of binding and membrane destabilization of phospholipid membranes by surfactant apoprotein B
R. Chang, S. Nir and F.R. Poulain (USA, Israel) 254

Structural investigations of basic amphipathic model peptides in the presence of lipid vesicles studied by circular dichroism, fluorescence, monolayer and modeling
C. Mangavel, R. Maget-Dana, P. Tauc, J.-C. Brochon, D. Sy and J.A. Reynaud (France) 265

The effect of oxidative stress on structural transitions of human erythrocyte ghost membranes
V.R. Akoev, A.V. Matveev, T.V. Belyaeva and Y.A. Kim (Russian Federation) 284

The role of the GLUT 4 transporter in regulating rat myoblast glucose transport processes
M. Broydell, D.M. Mazzuca, P.A. Kudo and T.C.Y. Lo (Canada) 295

An intermediate conductance K^+ channel in the cell membrane of mouse intestinal smooth muscle
F. Vogalis, Y. Zhang and R.K. Goyal (USA) 309

Secondary structure of P-glycoprotein investigated by circular dichroism and amino acid sequence analysis
M. Dong, L. Ladavière, F. Penin, G. Deléage and L.G. Baggetto (France) 317

Calyculin A modulates the kinetic constants for the Na^+-coupled taurine transport in Ehrlich ascites tumour cells
J. Mollerup and I.H. Lambert (Denmark) 335

A miniaturized monolayer trough with variable surface area in the square-millimeter range
C. Duschl, M. Boncheva and H. Vogel (Switzerland) 345

Docosahexaenoic acid (DHA) alters the structure and composition of membranous vesicles exfoliated from the surface of a murine leukemia cell line
E.E. Williams, L.J. Jenski and W. Stillwell (USA) 351

Characterization of swollen lamellar phase of dimyristoylphosphatidylcholine–gramicidin A mixed membranes by DSC, SAXS, and densimetry
Y. Kobayashi and K. Fukada (Japan) 363

Phototransformation and proton pumping activity of the 14-fluoro bacteriorhodopsin derivatives
A.B. Druzhko, B. Robertson, R. Alvarez, A.R. De Lera and H.H. Weetall (USA, Spain) 371

Erratum

Erratum to 'Differential scanning calorimetric studies on the thermotropic phase transitions of dry and hydrated forms of *N*-acylethanolamines of even chainlengths' [Biochim. Biophys. Acta 1329 (1997) 302–310]
M. Ramakrishnan, V. Sheeba, S.S. Komath and M.J. Swamy (India) 382

Cumulative contents, Vol. 1371 383

Author index 386